

Title (en)
EQUIPMENT CONTROL SYSTEM, USER TERMINAL, EQUIPMENT CONTROL METHOD, AND PROGRAM

Title (de)
GERÄTESTEUERUNGSSYSTEM, BENUTZERENDGERÄT, GERÄTESTEUERUNGSVERFAHREN UND PROGRAMM

Title (fr)
SYSTÈME DE COMMANDE D'ÉQUIPEMENT, TERMINAL D'UTILISATEUR, PROCÉDÉ DE COMMANDE D'ÉQUIPEMENT, ET PROGRAMME

Publication
EP 4171055 A4 20230705 (EN)

Application
EP 20941458 A 20200617

Priority
JP 2020023834 W 20200617

Abstract (en)
[origin: EP4171055A1] Each transmitter (2) transmits an ID signal that is a wireless signal including an ID of the transmitter (2). A user terminal (3) includes a wireless signal receiver (300) to acquire an electric field strength at reception of the ID signal, a position acquirer (301) to acquire, for combinations of three transmitters (2) selected from four or more transmitters (2), estimated positions of the user terminal (3), each of the estimated positions being acquired based on (i) electric field strengths acquired for the three transmitters (2) of each combination and (ii) installation positions previously stored of the three transmitters (2) of each combination, a position specifier (302) to specify a position of the user terminal (3) based on the estimated positions acquired for each combination, and a facility device controller (303) to control a facility device (4, 5) based on the specified position.

IPC 8 full level
H04Q 9/00 (2006.01); **F24F 11/56** (2018.01); **G01S 1/04** (2006.01); **G01S 5/14** (2006.01); **F24F 120/12** (2018.01); **H04W 64/00** (2009.01)

CPC (source: EP US)
F24F 11/56 (2018.01 - EP); **G01S 5/0268** (2013.01 - US); **G01S 5/14** (2013.01 - EP); **G01S 11/06** (2013.01 - US); **H04Q 9/00** (2013.01 - US); **F24F 2120/12** (2018.01 - EP); **F24F 2221/42** (2013.01 - EP); **H04W 4/33** (2018.02 - EP); **H05B 47/19** (2020.01 - EP)

Citation (search report)

- [XYI] US 2018249306 A1 20180830 - PANDHARIPANDE ASHISH VIJAY [NL]
- [Y] US 10551479 B1 20200204 - YLAMURTO TOMMI [US], et al
- See also references of WO 2021255874A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4171055 A1 20230426; EP 4171055 A4 20230705; CN 115699795 A 20230203; JP 7374322 B2 20231106; JP WO2021255874 A1 20211223; US 2023164466 A1 20230525; WO 2021255874 A1 20211223

DOCDB simple family (application)
EP 20941458 A 20200617; CN 202080101812 A 20200617; JP 2020023834 W 20200617; JP 2022531180 A 20200617; US 202017920618 A 20200617